



# MATERIAL SAFETY DATA SHEET

*This Material Safety Data Sheet complies with the Canadian Controlled Products Act*

## SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT IDENTIFIER:	<b>Waste Paint Hardener</b>	Retail & Industrial (Commercial)
PRODUCT USE:	Latex Paint Hardener	
SUPPLIER:	<b>Napier Environmental Technologies Inc.</b> 720 Eaton Way, Delta, British Columbia, Canada, V3M 6J9 Emergency telephone: (800) 663-9274, Telephone: (604) 526-0802, Facsimile: (604) 526-7772	In case of transportation emergency or product spill, contact: In Canada- CANUTEC @ 613-996-6666 (24 hrs.) In the Continental USA- CHEMTREC @ 800-424-9300 (24 hrs.)

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD50	LC50	EXPOSURE LIMITS
Sodium Polyacrylate	60-100	Not assigned	> 5000 mg/kg (oral, rat) >2000 mg/kg (dermal, rabbit)	Not available	0.05 mg/m3 (respirable)

## SECTION 3 – PHYSICAL DATA

<b>Physical state:</b> solid <b>Solubility:</b> slightly soluble <b>Odour and Appearance:</b> white granular powder with no odor <b>pH @ 20°C:</b> not applicable <b>Density:</b> 400 - 497 kilograms per cubic meter <b>Odour Threshold (ppm):</b> not applicable	<b>Vapour Density:</b> not applicable <b>Vapour Pressure:</b> not applicable <b>Evaporation Rate:</b> not applicable <b>Boiling Point (°C):</b> not applicable <b>Freezing Point (°C):</b> not applicable <b>Coefficient of water/oil distribution:</b> not determined
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## SECTION 4 – FIRE AND EXPLOSION DATA

<b>Flammability:</b> No, product is non-flammable. <b>If yes, under what condition:</b> Not applicable. <b>Means of Extinction:</b> Dry chemical, alcohol foam, CO <sub>2</sub> , water spray. Do not use direct water stream. <b>Unusal Hazards:</b> Keep product dust away from ignition sources such as open flames, static discharge, etc. Under certain conditions, dust generation in air may cause a dust explosion if ignited. <b>Explosion Data-</b> <b>Sensitivity to impact:</b> None <b>Sensitivity to static discharge:</b> None	<b>Flash Point (°C) and method:</b> not applicable <b>Upper Flammable limit (% volume):</b> not applicable <b>Lower Flammable limit (% volume):</b> not applicable <b>Autoignition temperature (°C):</b> not applicable <b>Hazardous combustion products:</b> may form toxic carbon monoxide and dioxides upon thermal decomposition.
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## Waste Paint Hardener (Retail & Industrial)

### SECTION 5 – REACTIVITY DATA

**Chemical Stability:** yes, stable under normal storage conditions

**If no, under what conditions:**

**Incompatibility with other substances:** yes

**If so, under what conditions:** Strong alkalis

**Reactivity, and under what conditions:** none known

**Hazardous Decomposition Products:** Oxides of carbon may be liberated upon thermal decomposition

### SECTION 6 – TOXICOLOGICAL PROPERTIES

**Primary route of entry:** Eye contact and inhalation

**Effects of Acute Exposure to Product:** Product exposure may cause slight to moderate eye irritation. Inhalation of dust at low levels can cause lung inflammation and discomfort.

**Effects of Chronic Exposure to Product:** Prolonged exposure may cause eye dryness and lung tumors (based on lifetime studies on laboratory rats exposed to highly respirable product dust at less than 10 micron. At 0.8 mg/m<sup>3</sup>, there were some tumors observed. At 0.2mg/m<sup>3</sup>, there was no tumors but local inflammation. At 0.05mg/m<sup>3</sup>, there was no adverse effects of any kind).

**Exposure Limits:** see Section 2 under Hazardous Ingredients

**Irritancy of Product:** Eye and Lung irritant

**Sensitization:** none known

**Reproductive Toxicity:** none known

**Mutagenicity:** none known

**Carcinogenicity:** none known

**Teratogenicity:** none known

**Synergistic Products:** none known

### SECTION 7 – PREVENTATIVE MEASURES

**Respiratory Protection:** Use NIOSH/OSHA approved dust respirator whenever dust levels exceed recommended exposure limits.

**Gloves:** rubber glove for dry product and rubber with non slip coating or surface for wet product

**Eye Protection:** splash proof safety goggles or glasses

**Footwear:** rubber, chemical resistant

**Clothing:** long sleeve

**Other:**

**Engineering Controls:** General and/or local exhaust ventilation to control dust levels below exposure limits.

**Leak and Spill Procedures:** Sweep, scoop up or vacuum spilled material. Reuse if possible or dispose in accordance with local regulations. Note that product becomes very slippery when wet.

**Waste Disposal:** Dispose of in accordance with local environmental regulations. US EPA does not define this product as hazardous waste under RCRA. Disposal into an approved sanitary landfill is acceptable.

**Handling Procedures and Equipment:** Use good hygiene practices. Avoid contact with eyes. Avoid breathing dust. Eye wash and safety shower should be available in the immediate work area.

**Storage Requirements:** Store in a cool, dry place away from incompatibles. Do not mix with any other chemicals. Keep container closed when not in use. Keep from freezing and temperatures below 30°C.

## Waste Paint Hardener (Retail & Industrial)

### Special Shipping Information:

#### For Retail Use

Canadian WHMIS Classification: Exempt

USA OSHA (29 CFR 1910.1200): Exempt

Canadian TDG Classification: Not Regulated

USA DOT (49 CFR 172.101): Not Regulated

#### For Industrial(Commercial) Use

Canadian WHMIS Classification: D2A, D2B

USA OSHA (29 CFR 1910.1200): Irritant, Target Organ Effects (Chronic)

Canadian TDG Classification: Not Regulated

USA DOT (49 CFR 172.101): Not Regulated

## SECTION 8 – FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air, apply artificial respiration if necessary. Seek medical help.  
**Ingestion:** If large quantities are swallowed, seek medical help.  
**Skin Contact:** Wash thoroughly with water. If irritation persists, seek medical attention.  
**Eye Contact:** Flush immediately with water for 15-20 minutes.

## SECTION 9 - OTHER INFORMATION

REVISIONS:	October 29, 2004	SUPERCEDES:	July 3, 2003
PREPARED BY:	Technical Department, Customer service- 800-663-9274, Manufacturing- 604-526-0802		
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